

Human Ras protein ELISA Kit | Ras elisa kit

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CATALOG #
AAA94752

REACTIVITY
Human

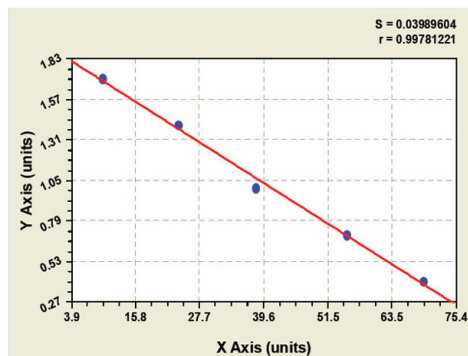
PRODUCT SYNONYMS

Ras protein; Human Ras protein ELISA Kit; Ras elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Ras protein ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Ras protein. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Ras elisa kit

Principle of the assay: Ras protein ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Ras protein antibody and an Ras protein-HRP conjugate. The assay sample and buffer are incubated together with Ras protein-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Ras protein concentration since Ras protein from samples and Ras protein-HRP conjugate compete for the anti-Ras protein antibody binding site. Since the number of sites is limited, as more sites are occupied by Ras protein from the sample, fewer sites are left to bind Ras protein-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ras protein concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	190938
NCBI GeneID	3265
Molecular Weight	18,870 Da
NCBI Official Full Name	ras protein, partial
NCBI Official Synonym Full Names	Harvey rat sarcoma viral oncogene homolog
NCBI Official Symbol	HRAS
NCBI Official Synonym Symbols	CTLO; HAMSV; HRAS1; RASH1; p21ras; C-H-RAS; H-RASIDX; C-BAS/HAS; C-HA-RAS1
NCBI Protein Information	GTPase HRas; p19 H-RasIDX protein; c-has/bas p21 protein; transforming protein p21; Ha-Ras1 proto-oncoprotein; c-ras-Ki-2 activated oncogene; GTP- and GDP-binding peptide B; transformation gene: oncogene HAMSV; Harvey rat sarcoma viral oncoprotein; Ras family small GTP binding protein H-Ras; v-Ha-ras Harvey rat sarcoma viral oncogene homolog
UniProt Protein Name	GTPase HRas
UniProt Gene Name	HRAS
UniProt Synonym Gene Names	HRAS1
UniProt Entry Name	RASH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ras-protein/94752>